

[Document Type] Abstract

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[Problem to be Solved by the Invention] To reliably reduce hydrogen concentration of fluid discharged from a purged hydrogen dilution device to a level below a predetermined concentration.

[Means for Solving the Problem] A hydrogen purge control apparatus comprising a hydrogen sensor 45 which is provided downstream a purged hydrogen dilution device 10 of a fuel cell stack 1, the fuel cell stack 1 comprising: a holding chamber 11 for holding hydrogen discharged from the fuel cell stack 1 during a hydrogen purge operation of the fuel cell stack 1; a dilution chamber 12 for allowing air discharged from the fuel cell stack 1 to flow through and for diluting the hydrogen by mixing with the air; and a communication holes 14 for allowing hydrogen to flow from the holding chamber 11 to the dilution chamber 12, wherein a purge operation is controlled depending on a measured value of the hydrogen sensor 45.

[Selected Drawing] FIG. 10